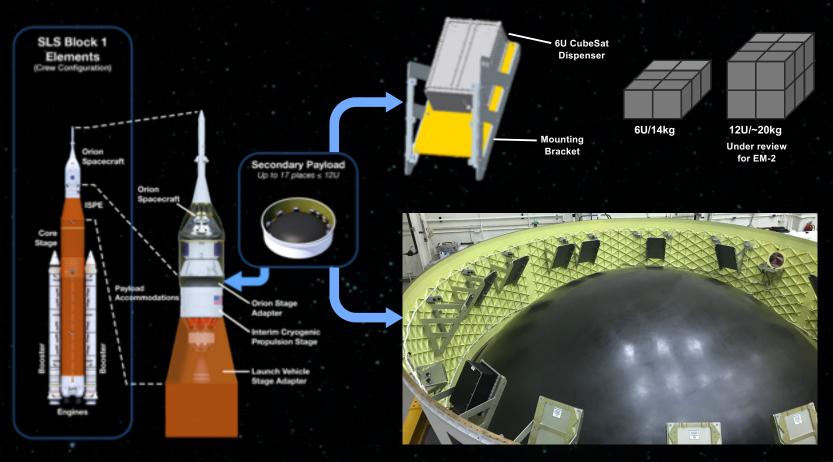




BLOCK 1 CUBESAT ACCOMMODATIONS

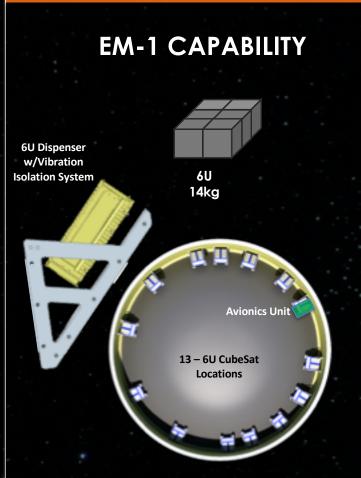


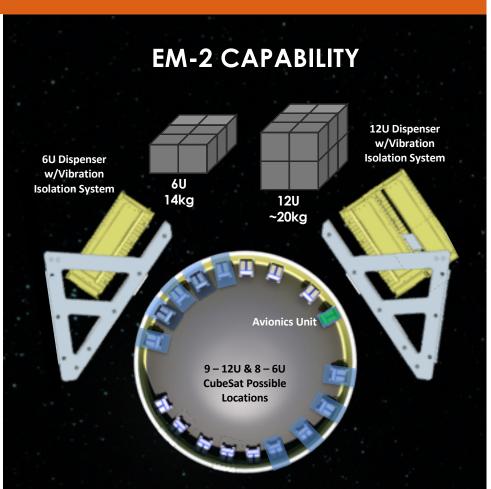




POTENTIAL EM-2 ACCOMMODATIONS



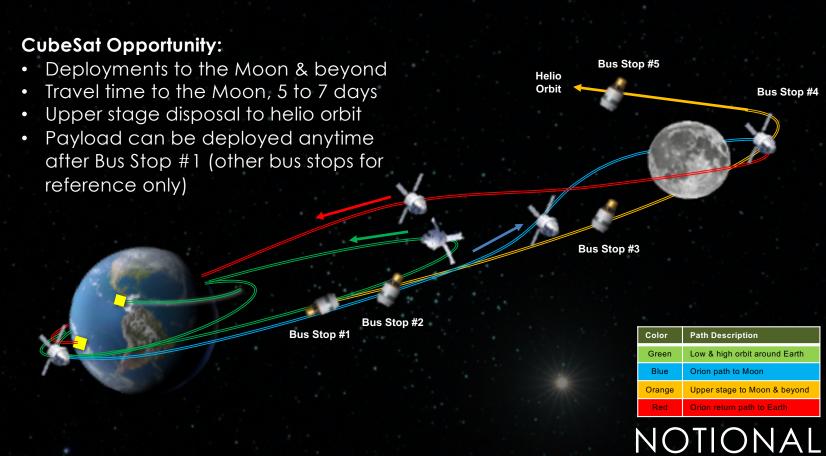






EM-2 DEPLOYMENT OPPORTUNITIES

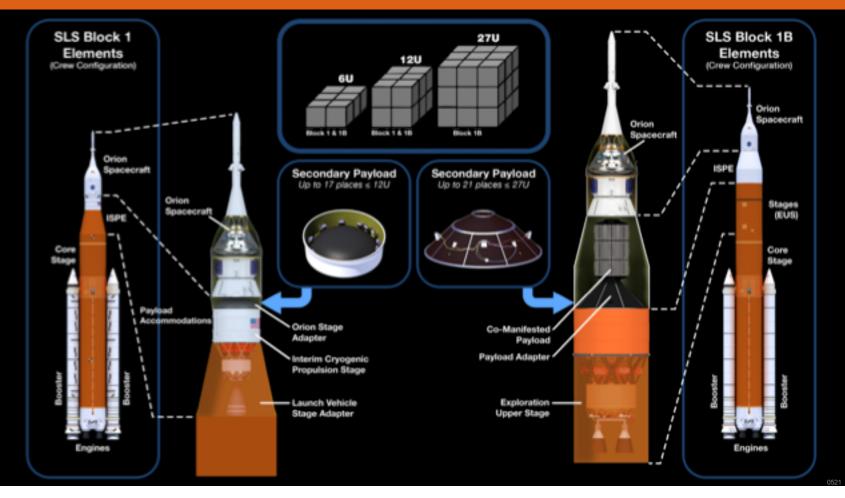






CONTINUITY TOWARD BLOCK 1B







ESPA CLASS OPPORTUNITIES



Accommodation Efficiency

- 1. Less height lost
- 2. Uses more of available diameter

Potential ESPA-Type Accommodation Concepts



PLA ESPA Ports (using SPL Insets)



ESPA Port Shelf (<7500 mm dia.)



ESPA Port Ring (>1575 mm dia.)



(1575 mm diameter)



SUMMARY



- SLS provides extraordinary opportunities for smallsats
 - Affordable access to the Moon and deep space
 - Payloads ranging from 6U/12U/27U to ESPA-class may be accommodated
- EM-1 launching in fiscal year 2020, with 13 CubeSats manifested
- Hardware for second mission in progress
- Flexible architecture will meet demands of deep space exploration
- Flight manifest includes three Block 1 flights

More Information

- SLS Mission Planner's Guide (ESD 30000)
 - Provides future payload developers/users with information to support preliminary SLS mission planning
 - Available online: https://ntrs.nasa.gov/search.jsp?R=20170005323
 - Copies can be requested via email: NASA-slspayloads@mail.nasa.gov
 - www.nasa.gov/opportunities for CubeSat payload opportunities and announcements

